

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	16	ackley-jonathan\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/31 17:50
L2	5	"467256".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/31 17:50
S1	10	Tiainen-ilkka\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/31 17:49
S2	127572	(battery with charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 17:49
S3	1142339	(data or information) with (transfer\$4 or transmit\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 17:50
S4	628279	(mobile or wireless or radio or portable or cellular) near4 (device or terminal or unit or station or phone)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 17:51
S5	148341	(power near2 line)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 17:51
S6	276672	(power near2 line) or PLC	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 18:23
S7	1572	S2 and S3 and S4 and S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 17:54
S8	2251566	(processor or microprocessor or controller or microcontroller)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 17:52
S9	196	(PLC near2 modem)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 17:53

## EAST Search History

S10	962	((PLC) or (power near2 line)) near2 modem	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 17:53
S11	66892	power near4 converter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 17:53
S12	9	S7 and S8 and S10 and S11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 17:54
S13	888	455/573,572.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 17:59
S14	1	S7 and S8 and S10 and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 17:55
S15	45	S7 and S8 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 17:55
S17	87	S6 and S13 and S2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 18:12
S18	5	"651684".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 18:12
S19	3	simultaneous with ((data or information) near4 (transfer\$4 or transmit\$4)) with (battery near4 charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 18:14
S20	1034	((data or information) near4 (transfer\$4 or transmit\$4)) with (battery near4 charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 18:14
S21	85	S4 and S20 and S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 18:15
S22	2686	S2 and S4 and S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 18:23

## EAST Search History

S23	95505	"455"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 18:23
S24	95505	S23 and S23	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 18:23
S25	341	S22 and S23	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/27 18:23
S26	254	S3 and S25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 13:32
S27	2	"20030100288"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 13:32
S28	2	"20030100288"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 13:36
S29	2	"6130896".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 13:37
S30	2	"6842459".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 13:38
S31	2	"6531845".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 13:51
S32	12091719	device or terminal or unit or adaptor or bridge	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 13:51
S33	12634864	device or terminal or unit or adaptor or bridge or switch	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 13:52
S34	2608500	(processor or microprocessor or controller or microcontroller or (control adj2 unit))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 13:53

## EAST Search History

S35	40848	baseband	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 13:54
S36	1386	((power near4 line) near4 modem) or (PLC near4 modem) or (PL near4 modem)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 13:55
S37	5997	((power near6 line) near4 network) or (PLC near6 network)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 13:55
S38	1576	((power near4 line) near6 modem) or (PLC near6 modem) or (PL near4 modem)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 13:55
S39	72213	(power near4 (converter or adaptor)) or (AC/DC near4 (converter or adaptor)) or (ACDC near4 (converter or adaptor))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 13:57
S40	1531368	(charg\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 13:58
S41	21903	(charg\$6) with interface	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 13:58
S42	2	S33 and S34 and S36 and S38 and S39 and S41	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:00
S43	2	S34 and S36 and S38 and S39 and S41	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:01
S44	68	S34 and S36 and S38 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:01
S45	127659	(battery with charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:04
S46	24	S44 and S45	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:03

## EAST Search History

S47	68	S34 and S36 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:04
S48	738170	(data or information) with (transfer or transmit)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:14
S49	407635	wired or wireline or wireless	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:05
S50	6165	S45 and S48 and S49	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:05
S51	18	S36 and S39 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:06
S52	3177	455/572,573,550.1,153.2,402.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:07
S53	5	S36 and S39 and S52	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:07
S54	7	("20030169157"   "5995047"   "6054906"   "6128743"   "6445087"   "6697892"   "6747859").PN. OR ("6999505").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 14:08
S55	14	("4149258"   "4422156"   "4510611"   "4646323"   "4815106"   "5198796"   "5349644"   "5408687").PN. OR ("5892795"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 14:13
S56	73992	battery with charg\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 14:13
S57	4744823	(data or information)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:14
S58	32025	S56 and S57	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:15

## EAST Search History

S59	28	S38 and S39 and S58	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:15
S60	629588	(mobile or radio or cellular or wireless or portable) near4 (device or terminal or unit or station or phone or smartphone or handyphone)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:58
S61	118883	(battery near8 charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 16:46
S62	1429392	(transfe\$6 or transmi\$6) with (data or information or MMS or audio or video)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:30
S63	1341	(PLC near6 modem) or ((power near2 line) near6 modem)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:30
S64	404642	(data or information or MMS or audio or video) with interface	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:30
S65	72213	(power near4 (converter or adaptor)) or (AC/DC near4 (converter or adaptor)) or (ACDC near4 (converter or adaptor))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:31
S66	13901	USB near4 interface	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:31
S67	15808	ethernet near4 interface	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:32
S68	1	S60 and S61 and S62 and S63 and S64 and S65 and S66 and S67	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:32
S69	10	S60 and S61 and S62 and S63 and S64 and S65	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:33
S70	11	S60 and S61 and S62 and S63 and S65	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:34

## EAST Search History

S71	56	S60 and S61 and S62 and S63	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:40
S72	7897224	charge system mobile communication	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:41
S73	0	charge adj system adj mobile adj communication	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:42
S74	10	charge adj system adj mobile adj communicate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:42
S75	8167	charg\$4 with system with (mobile or wireless or radio or cellular or portable)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:43
S76	95606	"455"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:43
S77	1448	S75 and S76	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:43
S78	328876	(PLC) or (power near4 line)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:44
S79	105	S77 and S78	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:52
S80	1276	455/572,573,402.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:53
S81	35	S63 and S80	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:58

## EAST Search History

S82	15839	(mobile or radio or cellular or wireless or portable) near4 (device or terminal or unit or station or phone or smartphone or handyphone) with (charging or charger or charge)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:59
S83	2	S62 and S63 and S66 and S67 and S82	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 14:59
S84	27	S62 and S63 and S82	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 15:01
S85	21	simultaneous with battery with (charge or charger or charging) with (data or information)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 15:07
S86	7957	battery with (charge or charger or charging) with (data or information)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 15:08
S87	21	S60 and S63 and S86	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 15:43
S88	0	charging with battttery with PLC	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 15:43
S89	0	charging with battttery with (power near2 line)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 15:44
S90	0	battttery with ((power near2 line) or (PLC))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 15:44
S91	794	charging with battery with ((power near2 line) or (PLC))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 15:44
S92	95606	"455"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 15:44



## EAST Search History

S93	47	S92 and S91	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 15:51
S94	0	PLC with charging with (mobile or wireless or radio or cellular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 15:53
S95	11	PLC with battery with (mobile or wireless or radio or cellular)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 15:53
S96	47	(PLC or (power near4 line)) with communication with (battery and charging)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 15:54
S97	17	("4788637"   "5228118"   "5386567"   "5390301"   "5517646"   "5580177"   "5613123"   "5617008"   "5623696"   "5752040"   "5802365"   "5812796"   "5867730"   "6100806").PN. OR ("6298395").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 16:00
S98	159	PLC near4 modem	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 16:04
S99	152139	"455"/\$.ccls. or "370"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 16:05
S100	43	S98 and S99	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 16:05
S101	7	("20030169157"   "5995047"   "6054906"   "6128743"   "6445087"   "6697892"   "6747859").PN. OR ("6999505").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 16:09
S102	7	("20030169157" "5995047" "6054906" "6128743" "6445087" "6697892" "6747859").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 16:22
S103	175	(PLC near6 modem)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 16:23
S104	97181	data and charging	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 16:24
S105	18	S103 and S104	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 16:23

## EAST Search History

S106	158701	battery and charg\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 16:24
S107	29	S103 and S106	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 16:45
S108	0	340/310.01,310.02,310.07,310.08. ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 16:46
S109	130208	"340"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/28 16:46
S110	2	S60 and S65 and S63 and S109	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 16:47
S111	10	S65 and S63 and S109	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 16:48
S112	200	S63 and S109	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 16:49
S113	127659	battery with charg\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 16:49
S114	15	S112 and S113	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 16:50
S115	66	379/102.04.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 16:53
S116	149	(mobile or radio or cellular or wireless) with (battery or power) with (charg\$4) with (PLC or (power near4 line))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 16:54
S117	1571371	(data or information or MMS) with (transfe\$6 or transmi\$6 or communication)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 16:55
S118	80	S116 and S117	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 16:55

## EAST Search History

S11 9	125993	"340"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 16:56
S12 0	7	S118 and S119	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 16:56
S12 1	28	aretz-kurt\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 18:13
S12 2	7	"443078".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 18:14
S12 3	100	("5684826" "5864607" "5937342" "6246868" "6449348").PN"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 18:27
S12 4	2	"20040162117"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 18:27
S12 5	7	"443078".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 18:28
S12 6	6	"761994".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/28 18:28
S12 7	5	"717203".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/29 14:34
S12 8	5	"688327".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/29 17:29
S12 9	5	"688327".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/29 17:30
S13 0	6	"514833".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/29 17:40

## EAST Search History

S13 1	20276	group near4 communication	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/29 17:41
S13 2	6672	presence with server	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/29 17:41
S13 3	398	S131 and S132	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/29 17:41
S13 4	95606	"455"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/29 17:41
S13 5	65	S133 and S134	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/29 17:43
S14 0	2	"20030100288"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/30 12:35
S14 1	34	tomlinson-harold\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/30 12:36
S14 2	84032	multimedia	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/30 15:44
S14 3	36584	email	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/30 15:44
S14 4	353	software adj2 upload	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/30 15:57
S14 5	608	PIM adj2 data	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/30 15:57
S14 6	437243	(mobile or radio or cellular or wireless) near4 (phone or device or terminal or unit)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/30 15:52